

4-33622 (5030-WO01).ST25.txt  
SEQUENCE LISTING

<110> Genova Ltd.  
Novartis AG  
Argoud-Puy, Guilaine  
Bederr, Nassima  
Bougueleret, Lydie  
Croft, Laurence  
Cusin, Isabelle  
Dengler, Uwe  
Mahé, Eve  
Niknejad, Anne  
Papoian Ruben  
Reffas, Samia  
Rose, Keith  
Saudrais, Cédric  
Scherer Andreas

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<150> US 60/496,966

<151> 2003-08-20

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&lt;210&gt; 47

&lt;211&gt; 13

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&lt;213&gt; Homo sapiens

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&lt;211&gt; 11

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&lt;400&gt; 48

Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys  
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&lt;400&gt; 53

Leu Val Ser Ala Val Ala Ile Ala Leu Ala His Lys Tyr His  
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&lt;211&gt; 14

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Tyr Leu Glu Phe Ile Ser Glu Cys Ile Ile Gln Val Leu Gln Ser Lys  
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Thr Asn Phe Thr Ser Lys Tyr Asn Met Lys  
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&lt;213&gt; Homo sapiens

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Val Thr Ser Leu Thr Ala Cys Leu Val Asp Gln Ser Leu Arg  
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Asn Gly Ser Gln Phe Phe Ile Cys Thr Ala Lys  
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Thr Tyr Leu Ile Ser Ser Ile Pro Leu Gln Gly Ala Phe Asn Tyr Lys  
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&lt;211&gt; 16

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Gly Pro Val Ser Thr Lys Pro Gly Ser Cys Pro Ile Ile Leu Ile Arg  
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Val Pro Phe Asn Gly Gln Asp Pro Val Lys  
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<212> PRT  
<213> Homo sapiens

<400> 112

4-33622 (5030-W001).ST25.txt

Lys Glu Gly Gly Leu Gly Pro Leu Asn Ile Pro Leu Leu Ala Asp Val  
 1 5 10 15

Thr Arg

<210> 113  
 <211> 24  
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<400> 113

Leu Gly Cys Glu Val Leu Gly Val Ser Val Asp Ser Gln Phe Thr His  
 1 5 10 15

Leu Ala Trp Ile Asn Thr Pro Arg  
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<210> 114  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 114

Leu Ser Glu Asp Tyr Gly Val Leu Lys  
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<210> 115  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 115

Gln Ile Thr Val Asn Asp Leu Pro Val Gly Arg  
 1 5 10

<210> 116  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 116

Thr Asp Glu Gly Ile Ala Tyr Arg  
 1 5

<210> 117  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 117

Asp Phe Gln Pro Val Leu His Leu Val Ala Leu Asn Ser Pro Leu Ser  
 1 5 10 15

4-33622 (5030-w001).ST25.txt

Gly Gly Met Arg  
20<210> 118  
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<213> Homo sapiens

&lt;400&gt; 118

Leu Gln Asp Leu Tyr Ser Ile Val Arg  
1 5<210> 119  
<211> 17  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 119

Thr Glu Ala Pro Ser Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly  
1 5 10 15

Arg

<210> 120  
<211> 21  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 120

Glu Trp Val Thr Gln Ala Thr Ala Leu Trp Thr Ala Asn Lys Ile Val  
1 5 10 15Ser Asp Tyr Gly Lys  
20<210> 121  
<211> 16  
<212> PRT  
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&lt;400&gt; 121

Ala Pro Gly Ala Ile Gly Pro Tyr Ser Gln Ala Val Leu Val Asp Arg  
1 5 10 15<210> 122  
<211> 19  
<212> PRT  
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&lt;400&gt; 122

Thr Thr Val Leu Leu Ala Asp Ile Asn Asp Phe Asn Thr Val Asn Glu  
1 5 10 15

Ile Tyr Lys

4-33622 (5030-W001).ST25.txt

<210> 123  
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<400> 123

Val Gln Phe Leu His Asp Gly Ser Cys  
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<210> 124  
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 <212> PRT  
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<400> 124

Ala Asp Glu Phe Leu Asn Trp His Ala Leu Phe Glu Ser Ile Lys  
 1 5 10 15

<210> 125  
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 <212> PRT  
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<400> 125

Ala Asp Glu Phe Leu Asn Trp His Ala Leu Phe Glu Ser Ile Lys Arg  
 1 5 10 15

<210> 126  
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 <212> PRT  
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<400> 126

Lys Leu Pro Phe Leu Asn Trp Asp Ala Phe Pro Lys  
 1 5 10

<210> 127  
 <211> 11  
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<400> 127

Leu Pro Phe Leu Asn Trp Asp Ala Phe Pro Lys  
 1 5 10

<210> 128  
 <211> 12  
 <212> PRT  
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<400> 128

Glu Phe Thr Pro Pro Val Gln Ala Ala Tyr Gln Lys  
 1 5 10

4-33622 (5030-wo01).ST25.txt

<210> 129  
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<400> 129

Phe Phe Glu Ser Phe Gly Asp Leu Ser Thr Pro Asp Ala Val Met Gly  
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Asn Pro Lys

<210> 130  
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<400> 130

Gly Thr Phe Ala Thr Leu Ser Glu Leu His Cys Asp Lys  
 1 5 10

<210> 131  
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 <212> PRT  
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<400> 131

Gly Thr Phe Ala Thr Leu Ser Glu Leu His Cys Asp Lys Leu His Val  
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Asp Pro Glu Asn Phe Arg  
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<210> 132  
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<400> 132

Lys Val Leu Gly Ala Phe Ser Asp Gly Leu Ala His Leu Asp Asn Leu  
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Lys

<210> 133  
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 <212> PRT  
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<400> 133

Leu His Val Asp Pro Glu Asn Phe Arg  
 1 5



4-33622 (5030-W001).ST25.txt

<210> 134  
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<400> 134

Leu Leu Gly Asn Val Leu Val Cys Val Leu Ala His His Phe Gly Lys  
 1 5 10 15

<210> 135  
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 <212> PRT  
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<400> 135

Leu Leu Gly Asn Val Leu Val Cys Val Leu Ala His His Phe Gly Lys  
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Glu Phe Thr Pro Pro Val Gln Ala Ala Tyr Gln Lys  
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<210> 136  
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<400> 136

Leu Leu Val Val Tyr Pro Trp Thr Gln Arg  
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<210> 137  
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<400> 137

Ser Ala Val Thr Ala Leu Trp Gly Lys  
 1 5

<210> 138  
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<400> 138

Ser Ala Val Thr Ala Leu Trp Gly Lys Val Asn Val Asp Glu Val Gly  
 1 5 10 15

Gly Glu Ala Leu Gly Arg  
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<210> 139  
 <211> 8  
 <212> PRT  
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4-33622 (5030-wo01).ST25.txt

&lt;400&gt; 139

Val His Leu Thr Pro Glu Glu Lys  
1 5

&lt;210&gt; 140

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 140

Val His Leu Thr Pro Glu Glu Lys Ser Ala Val Thr Ala Leu Trp Gly  
1 5 10 15

Lys

&lt;210&gt; 141

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 141

Val Leu Gly Ala Phe Ser Asp Gly Leu Ala His Leu Asp Asn Leu Lys  
1 5 10 15

&lt;210&gt; 142

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 142

Val Asn Val Asp Glu Val Gly Gly Glu Ala Leu Gly Arg  
1 5 10

&lt;210&gt; 143

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 143

Val Val Ala Gly Val Ala Asn Ala Leu Ala His Lys  
1 5 10

&lt;210&gt; 144

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 144

Val Val Ala Gly Val Ala Asn Ala Leu Ala His Lys Tyr His  
1 5 10

&lt;210&gt; 145

&lt;211&gt; 15

&lt;212&gt; PRT

4-33622 (5030-W001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 145

Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg  
 1 5 10 15

&lt;210&gt; 146

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 146

Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg Ala  
 1 5 10 15

Gln Ala Trp Gly Glu Arg  
 20

&lt;210&gt; 147

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 147

Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg  
 1 5 10

&lt;210&gt; 148

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 148

Ala Leu Met Asp Glu Thr Met Lys Glu Leu Lys  
 1 5 10

&lt;210&gt; 149

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 149

Ala Gln Ala Trp Gly Glu Arg  
 1 5

&lt;210&gt; 150

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 150

Ala Gln Ala Trp Gly Glu Arg Leu Arg  
 1 5

&lt;210&gt; 151

4-33622 (5030-W001).ST25.txt

<211> 18  
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<400> 151

Ala Tyr Lys Ser Glu Leu Glu Glu Gln Leu Thr Pro Val Ala Glu Glu  
 1 5 10 15

Thr Arg

<210> 152  
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<400> 152

Glu Gln Val Ala Glu Val Arg  
 1 5

<210> 153  
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<400> 153

Phe Trp Asp Tyr Leu Arg  
 1 5

<210> 154  
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<400> 154

Gly Glu Val Gln Ala Met Leu Gly Gln Ser Thr Glu Glu Leu Arg  
 1 5 10 15

<210> 155  
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 <212> PRT  
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<400> 155

Gly Leu Ser Ala Ile Arg Glu Arg  
 1 5

<210> 156  
 <211> 15  
 <212> PRT  
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<400> 156

Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu Arg  
 1 5 10 15

4-33622 (5030-wo01).ST25.txt

<210> 157  
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<400> 157

Leu Ala Val Tyr Gln Ala Gly Ala Arg  
1 5

<210> 158  
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<400> 158

Leu Asp Glu Val Lys Glu Gln Val Ala Glu Val Arg  
1 5 10

<210> 159  
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<400> 159

Leu Glu Glu Gln Ala Gln Gln Ile Arg  
1 5

<210> 160  
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<212> PRT  
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<400> 160

Leu Gly Ala Asp Met Glu Asp Val Cys Gly Arg  
1 5 10

<210> 161  
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<212> PRT  
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<400> 161

Leu Gly Pro Leu Val Glu Gln Gly Arg  
1 5

<210> 162  
<211> 11  
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<400> 162

Leu Gly Pro Leu Val Glu Gln Gly Arg Val Arg  
1 5 10

<210> 163

4-33622 (5030-W001).ST25.txt

<211> 14  
<212> PRT  
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<400> 163

Leu Lys Ser Trp Phe Glu Pro Leu Val Glu Asp Met Gln Arg  
1 5 10

<210> 164  
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<212> PRT  
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<400> 164

Leu Gln Ala Glu Ala Phe Gln Ala Arg  
1 5

<210> 165  
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<400> 165

Leu Ser Lys Glu Leu Gln Ala Ala Gln Ala Arg  
1 5 10

<210> 166  
<211> 10  
<212> PRT  
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<400> 166

Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg  
1 5 10

<210> 167  
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<400> 167

Gln Trp Ala Gly Leu Val Glu Lys  
1 5

<210> 168  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 168

Ser Glu Leu Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg  
1 5 10 15

<210> 169  
<211> 12  
<212> PRT

4-33622 (5030-wo01).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 169

Ser Trp Phe Glu Pro Leu Val Glu Asp Met Gln Arg  
 1 5 10

&lt;210&gt; 170

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 170

Val Gln Ala Ala Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn  
 1 5 10 15

His

&lt;210&gt; 171

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 171

Trp Glu Leu Ala Leu Gly Arg  
 1 5

&lt;210&gt; 172

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 172

Trp Val Gln Thr Leu Ser Glu Gln Val Gln Glu Glu Leu Leu Ser Ser  
 1 5 10 15

Gln Val Thr Gln Glu Leu Arg  
 20

&lt;210&gt; 173

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 173

Ala His Val Asp Ala Leu Arg  
 1 5

&lt;210&gt; 174

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

Ala His Val Asp Ala Leu Arg Thr His Leu Ala Pro Tyr Ser Asp Glu  
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4-33622 (5030-W001).ST25.txt

1 5 10 15

Leu Arg

<210> 175  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 175

Ala Lys Pro Ala Leu Glu Asp Leu Arg  
1 5

<210> 176  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 176

Ala Lys Pro Ala Leu Glu Asp Leu Arg Gln Gly Leu Leu Pro Val Leu  
1 5 10 15Glu Ser Phe Lys  
20

<210> 177  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 177

Ala Lys Val Gln Pro Tyr Leu Asp Asp Phe Gln Lys  
1 5 10

<210> 178  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 178

Ala Thr Glu His Leu Ser Thr Leu Ser Glu Lys  
1 5 10

<210> 179  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 179

Asp Glu Pro Pro Gln Ser Pro Trp Asp Arg  
1 5 10

<210> 180  
 <211> 12



4-33622 (5030-w001).ST25.txt

<212> PRT  
 <213> Homo sapiens

<400> 180

Asp Glu Pro Pro Gln Ser Pro Trp Asp Arg Val Lys  
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<210> 181  
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 <212> PRT  
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<400> 181

Asp Leu Ala Thr Val Tyr Val Asp Val Leu Lys  
 1 5 10

<210> 182  
 <211> 15  
 <212> PRT  
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<400> 182

Asp Leu Ala Thr Val Tyr Val Asp Val Leu Lys Asp Ser Gly Arg  
 1 5 10 15

<210> 183  
 <211> 6  
 <212> PRT  
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<400> 183

Asp Leu Glu Glu Val Lys  
 1 5

<210> 184  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 184

Asp Ser Gly Arg Asp Tyr Val Ser Gln Phe Glu Gly Ser Ala Leu Gly  
 1 5 10 15

Lys

<210> 185  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 185

Asp Tyr Val Ser Gln Phe Glu Gly Ser Ala Leu Gly Lys  
 1 5 10

4-33622 (5030-W001).ST25.txt

<210> 186  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 186

Glu Gln Leu Gly Pro Val Thr Gln Glu Phe Trp Asp Asn Leu Glu Lys  
1 5 10 15

<210> 187  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 187

Glu Gln Leu Gly Pro Val Thr Gln Glu Phe Trp Asp Asn Leu Glu Lys  
1 5 10 15

Glu Thr Glu Gly Leu Arg  
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<210> 188  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 188

Glu Thr Glu Gly Leu Arg Gln Glu Met Ser Lys  
1 5 10

<210> 189  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 189

Lys Leu Asn Thr Gln  
1 5

<210> 190  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 190

Lys Trp Gln Glu Glu Met Glu Leu Tyr Arg  
1 5 10

<210> 191  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 191

Leu Ala Glu Tyr His Ala Lys  
1 5

4-33622 (5030-w001).ST25.txt

<210> 192  
 <211> 11  
 <212> PRT  
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<400> 192

Leu Glu Ala Leu Lys Glu Asn Gly Gly Ala Arg  
 1 5 10

<210> 193  
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 <212> PRT  
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<400> 193

Leu His Glu Leu Gln Glu Lys  
 1 5

<210> 194  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 194

Leu Leu Asp Asn Trp Asp Ser Val Thr Ser Thr Phe Ser Lys  
 1 5 10

<210> 195  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 195

Leu Arg Glu Gln Leu Gly Pro Val Thr Gln Glu Phe Trp Asp Asn Leu  
 1 5 10 15

Glu Lys

<210> 196  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 196

Leu Ser Pro Leu Gly Glu Glu Met Arg  
 1 5

<210> 197  
 <211> 11  
 <212> PRT  
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<400> 197

4-33622 (5030-w001).ST25.txt

Gln Gly Leu Leu Pro Val Leu Glu Ser Phe Lys  
 1 5 10

<210> 198  
 <211> 23  
 <212> PRT  
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<400> 198

Gln Gly Leu Leu Pro Val Leu Glu Ser Phe Lys Val Ser Phe Leu Ser  
 1 5 10 15

Ala Leu Glu Glu Tyr Thr Lys  
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<210> 199  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 199

Gln Lys Leu His Glu Leu Gln Glu Lys  
 1 5

<210> 200  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<400> 200

Gln Lys Val Glu Pro Leu Arg  
 1 5

<210> 201  
 <211> 19  
 <212> PRT  
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<400> 201

Gln Leu Asn Leu Lys Leu Leu Asp Asn Trp Asp Ser Val Thr Ser Thr  
 1 5 10 15

Phe Ser Lys

<210> 202  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 202

Thr His Leu Ala Pro Tyr Ser Asp Glu Leu Arg  
 1 5 10

<210> 203

4-33622 (5030-wo01).ST25.txt

<211> 13  
 <212> PRT  
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<400> 203

Thr His Leu Ala Pro Tyr Ser Asp Glu Leu Arg Gln Arg  
 1 5 10

<210> 204  
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 <212> PRT  
 <213> Homo sapiens

<400> 204

Val Glu Pro Leu Arg Ala Glu Leu Gln Glu Gly Ala Arg  
 1 5 10

<210> 205  
 <211> 13  
 <212> PRT  
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<400> 205

Val Lys Asp Leu Ala Thr Val Tyr Val Asp Val Leu Lys  
 1 5 10

<210> 206  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 206

Val Gln Pro Tyr Leu Asp Asp Phe Gln Lys  
 1 5 10

<210> 207  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 207

Val Gln Pro Tyr Leu Asp Asp Phe Gln Lys Lys  
 1 5 10

<210> 208  
 <211> 12  
 <212> PRT  
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<400> 208

Val Ser Phe Leu Ser Ala Leu Glu Glu Tyr Thr Lys  
 1 5 10

<210> 209  
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4-33622 (5030-wo01).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 209

Val Ser Phe Leu Ser Ala Leu Glu Glu Tyr Thr Lys Lys  
1 5 10

&lt;210&gt; 210

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 210

Trp Gln Glu Glu Met Glu Leu Tyr Arg  
1 5

&lt;210&gt; 211

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 211

Asp Ala Ser Gly Val Thr Phe Thr Trp Thr Pro Ser Ser Gly Lys  
1 5 10 15

&lt;210&gt; 212

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 212

Asp Leu Cys Gly Cys Tyr Ser Val Ser Ser Val Leu Pro Gly Cys Ala  
1 5 10 15Glu Pro Trp Asn His Gly Lys  
20

&lt;210&gt; 213

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 213

Lys Gly Asp Thr Phe Ser Cys Met Val Gly His Glu Ala Leu Pro Leu  
1 5 10 15Ala Phe Thr Gln Lys  
20

&lt;210&gt; 214

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 214

Gln Glu Pro Ser Gln Gly Thr Thr Thr Phe Ala Val Thr Ser Ile Leu  
38

4-33622 (5030-W001).ST25.txt

1 5 10 15

Arg

<210> 215  
<211> 12  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 215

Thr Phe Thr Cys Thr Ala Ala Tyr Pro Glu Ser Lys  
1 5 10

<210> 216  
<211> 9  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 216

Thr Pro Leu Thr Ala Thr Leu Ser Lys  
1 5

<210> 217  
<211> 10  
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&lt;400&gt; 217

Trp Leu Gln Gly Ser Gln Glu Leu Pro Arg  
1 5 10

<210> 218  
<211> 22  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 218

Ala Gly Thr Glu Leu Val Asn Phe Leu Ser Tyr Phe Val Glu Leu Gly  
1 5 10 15

Thr Gln Pro Ala Thr Gln  
20

<210> 219  
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<212> PRT  
<213> Homo sapiens

&lt;400&gt; 219

Asp Leu Met Glu Lys  
1 5

<210> 220  
<211> 20

4-33622 (5030-W001).ST25.txt

<212> PRT  
 <213> Homo sapiens

<400> 220

Glu Pro Cys Val Glu Ser Leu Val Ser Gln Tyr Phe Gln Thr Val Thr  
 1 5 10 15

Asp Tyr Gly Lys  
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<210> 221  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 221

Glu Pro Cys Val Glu Ser Leu Val Ser Gln Tyr Phe Gln Thr Val Thr  
 1 5 10 15

Asp Tyr Gly Lys Asp Leu Met Glu Lys  
 20 25

<210> 222  
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 <212> PRT  
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<400> 222

Glu Gln Leu Thr Pro Leu Ile Lys  
 1 5

<210> 223  
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 <212> PRT  
 <213> Homo sapiens

<400> 223

Glu Gln Leu Thr Pro Leu Ile Lys Lys  
 1 5

<210> 224  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 224

Lys Ala Gly Thr Glu Leu Val Asn Phe Leu Ser Tyr Phe Val Glu Leu  
 1 5 10 15

Gly Thr Gln Pro Ala Thr Gln  
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<210> 225  
 <211> 23  
 <212> PRT



4-33622 (5030-wo01).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 225

Gln Ala Lys Glu Pro Cys Val Glu Ser Leu Val Ser Gln Tyr Phe Gln  
 1 5 10 15

Thr Val Thr Asp Tyr Gly Lys  
 20

&lt;210&gt; 226

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 226

Ser Lys Glu Gln Leu Thr Pro Leu Ile Lys  
 1 5 10

&lt;210&gt; 227

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 227

Ser Pro Glu Leu Gln Ala Glu Ala Lys  
 1 5

&lt;210&gt; 228

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 228

Ser Pro Glu Leu Gln Ala Glu Ala Lys Ser Tyr Phe Glu Lys  
 1 5 10

&lt;210&gt; 229

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 229

Ser Tyr Phe Glu Lys  
 1 5

&lt;210&gt; 230

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 230

Val Lys Ser Pro Glu Leu Gln Ala Glu Ala Lys  
 1 5 10

&lt;210&gt; 231

4-33622 (5030-w001).ST25.txt

<211> 20  
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<400> 231

Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala Val Thr  
 1 5 10 15

Leu Ala Trp Lys  
 20

<210> 232  
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<400> 232

Leu Thr Val Leu Gly Gln Pro Lys  
 1 5

<210> 233  
 <211> 20  
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<400> 233

Gln Ser Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro  
 1 5 10 15

Glu Gln Trp Lys  
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<210> 234  
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 <212> PRT  
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<400> 234

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys  
 1 5 10 15

<210> 235  
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 <212> PRT  
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<400> 235

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 1 5 10 15

<210> 236  
 <211> 20  
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<400> 236

4-33622 (5030-w001).ST25.txt

Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu  
 1 5 10 15

Gln Asp Ser Lys  
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<210> 237  
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 <212> PRT  
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<400> 237

Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 1 5 10 15

Lys

<210> 238  
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 <212> PRT  
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<400> 238

Val Leu Ser Asn Thr Glu Asp Leu Pro Leu Val Thr Lys  
 1 5 10

<210> 239  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 239

Lys Gly Asp Thr Phe Ser Cys Met Val Gly His Glu Ala Leu Pro Leu  
 1 5 10 15

Ala Phe Thr Gln Lys  
 20

<210> 240  
 <211> 17  
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<400> 240

Gln Lys Pro Ser Gln Gly Thr Thr Thr Phe Ala Val Thr Ser Ile Leu  
 1 5 10 15

Arg

<210> 241  
 <211> 16  
 <212> PRT

4-33622 (5030-w001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 241

Ala Asp Gly Glu Ser Cys Ser Ala Ser Met Met Tyr Gln Glu Gly Lys  
1 5 10 15

&lt;210&gt; 242

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 242

Ala Phe Leu Glu Val Asn Glu Glu Gly Ser Glu Ala Ala Ala Ser Thr  
1 5 10 15

Ala Val Val Ile Ala Gly Arg  
20

&lt;210&gt; 243

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 243

Ala Asn Arg Pro Phe Leu Val Phe Ile Arg  
1 5 10

&lt;210&gt; 244

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 244

Ala Thr Glu Asp Glu Gly Ser Glu Gln Lys Ile Pro Glu Ala Thr Asn  
1 5 10 15

Arg

&lt;210&gt; 245

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 245

Asp Asp Leu Tyr Val Ser Asp Ala Phe His Lys  
1 5 10

&lt;210&gt; 246

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 246

Asp Ile Pro Met Asn Pro Met Cys Ile Tyr Arg

4-33622 (5030-w001).ST25.txt  
10

1 5

<210> 247  
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<212> PRT  
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&lt;400&gt; 247

Glu Leu Phe Tyr Lys  
1 5

<210> 248  
<211> 16  
<212> PRT  
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&lt;400&gt; 248

Glu Gln Leu Gln Asp Met Gly Leu Val Asp Leu Phe Ser Pro Glu Lys  
1 5 10 15

<210> 249  
<211> 12  
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&lt;400&gt; 249

Glu Val Pro Leu Asn Thr Ile Ile Phe Met Gly Arg  
1 5 10

<210> 250  
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&lt;400&gt; 250

Phe Ala Thr Thr Phe Tyr Gln His Leu Ala Asp Ser Lys  
1 5 10

<210> 251  
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<213> Homo sapiens

&lt;400&gt; 251

Phe Asp Thr Ile Ser Glu Lys  
1 5

<210> 252  
<211> 10  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 252

Phe Arg Ile Glu Asp Gly Phe Ser Leu Lys  
1 5 10

4-33622 (5030-wo01).ST25.txt

<210> 253  
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 <212> PRT  
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<400> 253

Gly Asp Asp Ile Thr Met Val Leu Ile Leu Pro Lys Pro Glu Lys  
 1 5 10 15

<210> 254  
 <211> 13  
 <212> PRT  
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<400> 254

His Gly Ser Pro Val Asp Ile Cys Thr Ala Lys Pro Arg  
 1 5 10

<210> 255  
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 <212> PRT  
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<400> 255

Ile Glu Asp Gly Phe Ser Leu Lys  
 1 5

<210> 256  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 256

Ile Glu Asp Gly Phe Ser Leu Lys Glu Gln Leu Gln Asp Met Gly Leu  
 1 5 10 15

Val Asp Leu Phe Ser Pro Glu Lys  
 20

<210> 257  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 257

Leu Pro Gly Ile Val Ala Glu Gly Arg  
 1 5

<210> 258  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<400> 258

Leu Gln Pro Leu Asp Phe Lys

4-33622 (5030-W001).ST25.txt

1 5

<210> 259  
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 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 259

Leu Gln Pro Leu Asp Phe Lys Glu Asn Ala Glu Gln Ser Arg  
 1 5 10

<210> 260  
 <211> 21  
 <212> PRT  
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&lt;400&gt; 260

Asn Asp Asn Asp Asn Ile Phe Leu Ser Pro Leu Ser Ile Ser Thr Ala  
 1 5 10 15

Phe Ala Met Thr Lys  
 20

<210> 261  
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&lt;400&gt; 261

Arg Val Trp Glu Leu Ser Lys  
 1 5

<210> 262  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 262

Ser Leu Asn Pro Asn Arg Val Thr Phe Lys  
 1 5 10

<210> 263  
 <211> 11  
 <212> PRT  
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&lt;400&gt; 263

Thr Ser Asp Gln Ile His Phe Phe Phe Ala Lys  
 1 5 10

<210> 264  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 264

4-33622 (5030-wo01).ST25.txt

Val Ala Glu Gly Thr Gln Val Leu Glu Leu Pro Phe Lys  
 1 5 10

<210> 265  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 265

Val Ala Glu Gly Thr Gln Val Leu Glu Leu Pro Phe Lys Gly Asp Asp  
 1 5 10 15

Ile Thr Met Val Leu Ile Leu Pro Lys Pro Glu Lys  
 20 25

<210> 266  
 <211> 13  
 <212> PRT  
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<400> 266

Ala Ala Asp Asp Thr Trp Glu Pro Phe Ala Ser Gly Lys  
 1 5 10

<210> 267  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 267

Ala Leu Gly Ile Ser Pro Phe His Glu His Ala Glu Val Val Phe Thr  
 1 5 10 15

Ala Asn Asp Ser Gly Pro Arg  
 20

<210> 268  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 268

Ala Leu Gly Ile Ser Pro Phe His Glu His Ala Glu Val Val Phe Thr  
 1 5 10 15

Ala Asn Asp Ser Gly Pro Arg Arg  
 20

<210> 269  
 <211> 6  
 <212> PRT  
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<400> 269



4-33622 (5030-wo01).ST25.txt

Cys Pro Leu Met Val Lys  
1 5

<210> 270  
<211> 12  
<212> PRT  
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<400> 270

Cys Pro Leu Met Val Lys Val Leu Asp Ala Val Arg  
1 5 10

<210> 271  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 271

Gly Pro Thr Gly Thr Gly Glu Ser Lys  
1 5

<210> 272  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 272

Gly Pro Thr Gly Thr Gly Glu Ser Lys Cys Pro Leu Met Val Lys  
1 5 10 15

<210> 273  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 273

Gly Ser Pro Ala Ile Asn Val Ala Val His Val Phe Arg  
1 5 10

<210> 274  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 274

Gly Ser Pro Ala Ile Asn Val Ala Val His Val Phe Arg Lys  
1 5 10

<210> 275  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 275

Lys Ala Ala Asp Asp Thr Trp Glu Pro Phe Ala Ser Gly Lys  
1 5 10

4-33622 (5030-w001).ST25.txt

<210> 276  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 276

Arg Tyr Thr Ile Ala Ala Leu Leu Ser Pro Tyr Ser Tyr Ser Thr Thr  
 1 5 10 15

Ala Val Val Thr Asn Pro Lys  
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<210> 277  
 <211> 4  
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<400> 277

Ser Tyr Trp Lys  
 1

<210> 278  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 278

Thr Ser Glu Ser Gly Glu Leu His Gly Leu Thr Thr Glu Glu Glu Phe  
 1 5 10 15

Val Glu Gly Ile Tyr Lys  
 20

<210> 279  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 279

Thr Ser Glu Ser Gly Glu Leu His Gly Leu Thr Thr Glu Glu Glu Phe  
 1 5 10 15

Val Glu Gly Ile Tyr Lys Val Glu Ile Asp Thr Lys  
 20 25

<210> 280  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 280

Val Glu Ile Asp Thr Lys  
 1 5

4-33622 (5030-wo01).ST25.txt

<210> 281  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 281

Val Glu Ile Asp Thr Lys Ser Tyr Trp Lys  
 1 5 10

<210> 282  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 282

Val Leu Asp Ala Val Arg  
 1 5

<210> 283  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 283

Val Leu Asp Ala Val Arg Gly Ser Pro Ala Ile Asn Val Ala Val His  
 1 5 10 15

Val Phe Arg

<210> 284  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 284

Tyr Thr Ile Ala Ala Leu Leu Ser Pro Tyr Ser Tyr Ser Thr Thr Ala  
 1 5 10 15

Val Val Thr Asn Pro Lys  
 20

<210> 285  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 285

Tyr Thr Ile Ala Ala Leu Leu Ser Pro Tyr Ser Tyr Ser Thr Thr Ala  
 1 5 10 15

Val Val Thr Asn Pro Lys Glu  
 20

4-33622 (5030-W001).ST25.txt

<210> 286  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 286

Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val Arg  
1 5 10 15

<210> 287  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 287

Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val Arg  
1 5 10 15

Gly Pro Arg

<210> 288  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 288

Ala Leu Thr Asp Met Pro Gln Met Arg  
1 5

<210> 289  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 289

Asp Cys Asp Asp Val Leu Gln Thr His Pro Ser Gly Thr Gln Ser Gly  
1 5 10 15

Ile Phe Asn Ile Lys  
20

<210> 290  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 290

Asp Leu Leu Pro Ser Arg Asp Arg  
1 5

<210> 291  
<211> 15  
<212> PRT  
<213> Homo sapiens

4-33622 (S030-W001).ST25.txt

&lt;400&gt; 291

Asp Ser Asp Trp Pro Phe Cys Ser Asp Glu Asp Trp Asn Tyr Lys  
 1 5 10 15

&lt;210&gt; 292

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 292

Asp Ser His Ser Leu Thr Thr Asn Ile Met Glu Ile Leu Arg  
 1 5 10

&lt;210&gt; 293

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 293

Glu Ser Ser Ser His His Pro Gly Ile Ala Glu Phe Pro Ser Arg  
 1 5 10 15

&lt;210&gt; 294

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 294

Glu Ser Ser Ser His His Pro Gly Ile Ala Glu Phe Pro Ser Arg Gly  
 1 5 10 15

Lys

&lt;210&gt; 295

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 295

Glu Val Asp Leu Lys Asp Tyr Glu Asp Gln Gln Lys  
 1 5 10

&lt;210&gt; 296

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 296

Glu Val Val Thr Ser Glu Asp Gly Ser Asp Cys Pro Glu Ala Met Asp  
 1 5 10 15

Leu Gly Thr Leu Ser Gly Ile Gly Thr Leu Asp Gly Phe Arg  
 20 25 30

4-33622 (5030-wo01).ST25.txt

<210> 297  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 297

Gly Asp Phe Ser Ser Ala Asn Asn Arg Asp Asn Thr Tyr Asn Arg  
 1 5 10 15

<210> 298  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 298

Gly Gly Ser Thr Ser Tyr Gly Thr Gly Ser Glu Thr Glu Ser Pro Arg  
 1 5 10 15

<210> 299  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 299

Gly Leu Ile Asp Glu Val Asn Gln Asp Phe Thr Asn Arg  
 1 5 10

<210> 300  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 300

Gly Ser Glu Ser Gly Ile Phe Thr Asn Thr Lys  
 1 5 10

<210> 301  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 301

Gly Ser Glu Ser Gly Ile Phe Thr Asn Thr Lys Glu Ser Ser Ser His  
 1 5 10 15

His Pro Gly Ile Ala Glu Phe Pro Ser Arg  
 20 25

<210> 302  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 302

His Pro Asp Glu Ala Ala Phe Phe Asp Thr Ala Ser Thr Gly Lys  
 54

4-33622 (5030-W001).ST25.txt

1 5 10 15

<210> 303  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 303

His Arg His Pro Asp Glu Ala Ala Phe Phe Asp Thr Ala Ser Thr Gly  
 1 5 10 15

Lys

<210> 304  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 304

Met Glu Leu Glu Arg Pro Gly Gly Asn Glu Ile Thr Arg  
 1 5 10

<210> 305  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 305

Met Lys Pro Val Pro Asp Leu Val Pro Gly Asn Phe Lys  
 1 5 10

<210> 306  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 306

Asn Asn Lys Asp Ser His Ser Leu Thr Thr Asn Ile Met Glu Ile Leu  
 1 5 10 15

Arg

<210> 307  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 307

Asn Pro Ser Ser Ala Gly Ser Trp Asn Ser Gly Ser Ser Gly Pro Gly  
 1 5 10 15

Ser Thr Gly Asn Arg  
 20

4-33622 (5030-W001).ST25.txt

<210> 308  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 308

Asn Ser Leu Phe Glu Tyr Gln Lys  
1 5

<210> 309  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 309

Gln Phe Thr Ser Ser Thr Ser Tyr Asn Arg  
1 5 10

<210> 310  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 310

Gln Phe Thr Ser Ser Thr Ser Tyr Asn Arg Gly Asp Ser Thr Phe Glu  
1 5 10 15

Ser Lys

<210> 311  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 311

Gln Leu Glu Gln Val Ile Ala Lys  
1 5

<210> 312  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 312

Thr Phe Pro Gly Phe Phe Ser Pro Met Leu Gly Glu Phe Val Ser Glu  
1 5 10 15

Thr Glu Ser Arg  
20

<210> 313  
<211> 9  
<212> PRT



4-33622 (5030-w001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 313

Val Gln His Ile Gln Leu Leu Gln Lys  
1 5

&lt;210&gt; 314

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 314

Thr Pro His Val Leu Thr His Arg  
1 5

&lt;210&gt; 315

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 315

Ser Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu  
1 5 10 15

Gln Trp Lys

&lt;210&gt; 316

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 316

Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys  
1 5 10 15

&lt;210&gt; 317

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 317

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys  
1 5 10 15

&lt;210&gt; 318

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 318

Ile His Glu Arg Thr His Ile Gly Gln Lys  
1 5 10

&lt;210&gt; 319

4-33622 (5030-w001).ST25.txt

<211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 319

His Leu Glu Leu Met Ile Ser Ser Phe Leu Ile Arg  
 1 5 10

<210> 320  
 <211> 9  
 <212> PRT  
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<400> 320

Val Leu Lys Glu Ser Glu Pro Pro Lys  
 1 5

<210> 321  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 321

Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys  
 1 5 10

<210> 322  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 322

Leu Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr  
 1 5 10 15

Lys

<210> 323  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 323

Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg  
 1 5 10 15

<210> 324  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 324

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln  
 1 5 10 15

4-33622 (5030-w001).ST25.txt

Leu Lys

<210> 325  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 325

Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu  
 1 5 10 15

Gln Asp Ser Lys  
 20

<210> 326  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 326

Cys Leu Cys Leu Pro Gly Tyr Val Pro Ser Asp Lys Pro Asn Tyr Cys  
 1 5 10 15

Thr Pro Leu Asn Thr Ala Leu Asn Leu Glu Lys  
 20 25

<210> 327  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 327

Met Thr Cys Val Asp Val Asn Glu Cys Asp Glu Leu Asn Asn Arg  
 1 5 10 15

<210> 328  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 328

Val Gln Glu Gly Tyr Thr Cys Asp Cys Phe Asp Gly Tyr His Leu Asp  
 1 5 10 15

Thr Ala Lys

<210> 329  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 329

4-33622 (5030-w001).ST25.txt

Arg Pro Ser Gly Asn Leu Val Ser Val Leu Ser Gly Ala Glu Gly Ser  
 1 5 10 15

Phe Val Ser Ser Leu Val Lys  
 20

<210> 330  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 330

Glu Glu Ile Val Tyr Leu Pro Cys Ile Tyr Arg  
 1 5 10

<210> 331  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 331

Gly Gly Phe Val Leu Leu Asp Gly Glu Thr Phe Glu Val Lys  
 1 5 10

<210> 332  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 332

Gly Gly Pro Val Gln Val Leu Glu Asp Glu Glu Leu Lys  
 1 5 10

<210> 333  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 333

Asn Thr Gly Thr Glu Ala Pro Asp Tyr Leu Ala Thr Val Asp Val Asp  
 1 5 10 15

Pro Lys

<210> 334  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 334

Ser Pro Gln Tyr Cys Gln Val Ile His Arg  
 1 5 10

<210> 335

4-33622 (5030-W001).ST25.txt

<211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 335

Ala Trp Ile Leu Glu Arg Ala Phe Pro Gln Cys Leu Arg  
 1 5 10

<210> 336  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 336

Ala Gln Ser Gln Leu Val Ala Gly Ile Lys  
 1 5 10

<210> 337  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 337

Val Thr Gly Asp His Val Asp Leu Thr Thr Cys Pro Leu Ala Ala Gly  
 1 5 10 15

Ala Gln Gln Glu Lys  
 20

<210> 338  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 338

Ala Ser Glu Gly Gly Phe Thr Ala Thr Gly Gln Arg  
 1 5 10

<210> 339  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 339

Glu Leu Leu Ala Leu Ile Gln Leu Glu Arg  
 1 5 10

<210> 340  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 340

Glu Val Gly Pro Pro Leu Pro Gln Glu Ala Val Pro Leu Gln Lys  
 1 5 10 15

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<210> 341  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 341

Phe Ser Cys Phe Gln Glu Glu Ala Pro Gln Pro His Tyr Gln Leu Arg  
 1 5 10 15

<210> 342  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 342

Leu Thr Phe Ile Asn Asp Leu Cys Gly Pro Arg  
 1 5 10

<210> 343  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 343

Ala Ile Gln Asp Gly Thr Ile Val Leu Met Gly Thr Tyr Asp Asp Gly  
 1 5 10 15

Ala Thr Lys

<210> 344  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 344

Asp Asn Trp Val Phe Cys Gly Gly Lys  
 1 5

<210> 345  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 345

Gly Ile Asn Val Ala Leu Ala Asn Gly Lys  
 1 5 10

<210> 346  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 346

Ile Cys Leu Glu Asp Asn Val Leu Met Ser Gly Val Lys  
 62

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1

5

10

<210> 347  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 347

Leu Ile Ala Asp Leu Gly Ser Thr Ser Ile Thr Asn Leu Gly Phe Arg  
 1 5 10 15

<210> 348  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 348

Met Ala Ser Gly Ala Ala Asn Val Val Gly Pro Lys  
 1 5 10

<210> 349  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 349

Ser Pro Phe Glu Gln His Ile Lys  
 1 5

<210> 350  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 350

Tyr Phe Asp Met Trp Gly Gly Asp Val Ala Pro Phe Ile Glu Phe Leu  
 1 5 10 15

Lys

<210> 351  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 351

Ala Ala Gly Arg Leu Ser Ile His Ser Leu Glu Ala Gln Ser Leu Arg  
 1 5 10 15

<210> 352  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 352

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Leu Ser Ile His Ser Leu Glu Ala Gln Ser Leu Arg  
 1 5 10

<210> 353  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 353

Ala Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln  
 1 5 10 15

Ala Asn Lys

<210> 354  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 354

Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala Val Thr  
 1 5 10 15

Val Ala Trp Lys  
 20

<210> 355  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 355

Gln Ser Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro  
 1 5 10 15

Glu Gln Trp Lys  
 20

<210> 356  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 356

Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys  
 1 5 10 15

<210> 357  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 357



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Val Thr Val Leu Gly Gln Pro Lys  
 1 5

<210> 358  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 358

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys  
 1 5 10 15

<210> 359  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 359

Ala Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln  
 1 5 10 15

Ala Asn Lys

<210> 360  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 360

Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala Val Thr  
 1 5 10 15

Val Ala Trp Lys  
 20

<210> 361  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 361

Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys  
 1 5 10 15

<210> 362  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 362

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys  
 1 5 10 15

<210> 363

4-33622 (5030-W001).ST25.txt

<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 363

Leu Thr Val Leu Gly Gln Pro Lys  
1 5

<210> 364  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 364

Ile Leu Thr Cys Met Gln Gly Met Glu Glu Ile Arg  
1 5 10

<210> 365  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 365

Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg  
1 5 10

<210> 366  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 366

Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys  
1 5 10

<210> 367  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 367

Gly Pro Ile Leu Pro Gly Thr Lys  
1 5

<210> 368  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 368

His Trp Pro Ser Glu Gln Asp Pro Glu Lys  
1 5 10

<210> 369  
<211> 15  
<212> PRT

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&lt;213&gt; Homo sapiens

&lt;400&gt; 369

His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg  
 1 5 10 15

&lt;210&gt; 370

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 370

Leu Leu Thr Thr Glu Glu Lys Pro Arg  
 1 5

&lt;210&gt; 371

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 371

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg  
 1 5 10

&lt;210&gt; 372

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 372

Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp  
 1 5 10 15

Gln Asp His Ile Tyr His Pro Gln  
 20

&lt;210&gt; 373

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 373

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro  
 1 5 10 15

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg  
 20 25

&lt;210&gt; 374

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 374

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro  
 67

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1 5 10 15

Val Gln Lys Pro Lys  
20<210> 375  
<211> 25  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 375

Lys Gly Asp Thr Phe Ser Cys Met Val Gly His Glu Ala Leu Pro Leu  
1 5 10 15Ala Phe Thr Gln Glu Thr Ile Asp Arg  
20 25<210> 376  
<211> 17  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 376

Gln Glu Pro Ser Gln Gly Thr Thr Thr Phe Ala Val Thr Ser Ile Leu  
1 5 10 15

Arg

<210> 377  
<211> 8  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 377

Ser Arg Cys Gln Leu Glu Val Lys  
1 5<210> 378  
<211> 12  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 378

Met His Lys Ala Gly Leu Leu Gly Leu Cys Ala Arg  
1 5 10<210> 379  
<211> 10  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 379

Ser Cys Tyr Leu Lys Ser Gly Asn Gln Lys  
1 5 10

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<210> 380  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 380

Gly Phe Glu Asp Gly Asp Asp Ala Ile Ser Lys  
1 5 10

<210> 381  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 381

Ser Gln Asn Tyr Phe Thr Asn Arg  
1 5

<210> 382  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 382

Glu Val Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys  
1 5 10

<210> 383  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 383

Gly Leu Met Tyr Ser Val Asn Pro Asn Lys  
1 5 10

<210> 384  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 384

Glu Thr Ser Asn Phe Gly Phe Ser Leu Leu Arg  
1 5 10

<210> 385  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 385

Cys Phe Leu Gly Cys Glu Leu Pro Pro Glu Gly Ser Arg  
1 5 10

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<210> 386  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 386

Glu Phe Leu Glu Asp Thr Cys Val Gln Tyr Val Gln Lys  
 1 5 10

<210> 387  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 387

Thr Gln Ser Gly Leu Gln Ser Tyr Leu Leu Gln Phe His Gly Leu Val  
 1 5 10 15

Arg

<210> 388  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 388

Asp Ala Ser Gly Val Thr Phe Thr Trp Thr Pro Ser Ser Gly Lys  
 1 5 10 15

<210> 389  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 389

Gln Glu Pro Ser Gln Gly Thr Thr Thr Phe Ala Val Thr Ser Ile Leu  
 1 5 10 15

Arg

<210> 390  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 390

Thr Phe Thr Cys Thr Ala Ala Tyr Pro Glu Ser Lys  
 1 5 10

<210> 391  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

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&lt;400&gt; 391

Ser Glu Ala Ala Ser Leu Ser Pro Lys Lys Val Asp Cys Ser Ile Tyr  
 1 5 10 15

Lys Lys Tyr Pro Val Val Ala Ile Pro Cys Pro Ile Thr Tyr Leu Pro  
 20 25 30

Val Cys Gly Ser Asp Tyr Ile Thr Tyr Gly Asn Glu Cys His Leu Cys  
 35 40 45

Thr Glu Ser Leu Lys Ser Asn Gly Arg Val Gln Phe Leu His Asp Gly  
 50 55 60

Ser Cys  
 65

&lt;210&gt; 392

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 392

Leu Ile Lys Ile Lys Cys Pro Tyr Lys Lys Val Asn Leu Ser Trp Phe  
 1 5 10 15

Asn Lys Thr Val Asp Pro Cys Pro Asp Leu Lys Gln Pro Ile Cys Gly  
 20 25 30

Thr Asn Phe Val Thr Tyr Asp Asn Pro Cys Ile Leu Cys Val Glu Ser  
 35 40 45

Leu Lys Ser Gly Gly Arg Ile Arg Tyr Tyr Tyr Asn Gly Arg Cys  
 50 55 60

&lt;210&gt; 393

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 393

Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys  
 1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu  
 20 25 30

Thr Ile Glu Gln Glu Lys Gln Ala Gly Glu Ser  
 35 40

&lt;210&gt; 394

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

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&lt;400&gt; 394

Met Leu Leu Pro Ala Thr Met Ser Asp Lys Pro Asp Met Ala Glu Ile  
 1 5 10 15

Glu Lys Phe Asp Lys Ser Lys Leu Lys Lys Thr Glu Thr Gln Glu Lys  
 20 25 30

Asn Pro Leu Pro Ser Lys Glu Thr Ile Glu Gln Glu Lys Gln Ala Gly  
 35 40 45

Glu Ser  
 50

&lt;210&gt; 395

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 395

Ser Glu Ala Leu Ala Val Asp Gly Ala Gly Lys Pro Gly Ala Glu Glu  
 1 5 10 15

Ala Gln Asp Pro Glu Gly Lys Gly Glu Gln Glu His Ser Gln Gln Lys  
 20 25 30

Glu Glu Glu Glu Glu Met Ala Val Val Pro Gln Gly Leu Phe Arg Gly  
 35 40 45

&lt;210&gt; 396

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 396

Asp Asp Gly Gln Ser Asp Ser Gln Ala Val Asp Gly Asp Gly Lys Thr  
 1 5 10 15

Glu Ala Ser Glu Ala Leu Pro Ser Glu Gly Lys Gly Glu Leu Glu His  
 20 25 30

Ser Gln Gln Glu Glu Asp Gly Glu Glu Ala Met Val Gly Thr Pro Gln  
 35 40 45

Gly Leu Phe Pro Gln Gly  
 50

&lt;210&gt; 397

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Randomized version of SEQ ID No: 393



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&lt;400&gt; 397

Ala Glu Pro Asn Lys Lys Gln Ser Pro Lys Gln Asp Lys Thr Pro Thr  
1 5 10 15

Ser Lys Glu Lys Ile Glu Met Glu Ser Asp Ile Glu Ala Ser Lys Lys  
20 25 30

Phe Leu Glu Glu Thr Asp Leu Lys Gly Glu Gln  
35 40